

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| L1    | 11261 | ((generat\$5 or creat\$5) near6 key) with (password or passphrase or ((user or client) near5 key))                         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:11 |
| L2    | 1095  | I1 and (MAC or HMAC)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:12 |
| L3    | 479   | L2 and ((first and second) near5 key)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:14 |
| L4    | 100   | L2 and ((first and second) near5 key) same (password or passphrase or (((user or client) near4 generated) near7 key))      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:17 |
| L5    | 53    | L2 and ((first and second) near5 key) with (password or passphrase or (((user or client) near4 generated) near7 key))      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:28 |
| L6    | 34    | L2 and ((first and second) near5 key) with (password or passphrase or (((user or client) near4 generated) near7 key)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:46 |
| L7    | 163   | ((first and second) near5 key) with (password or passphrase or (((user or client) near4 generated) near7 key)).clm.        | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:28 |
| L8    | 0     | 713/168.pn.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:46 |
| L9    | 1554  | 713/168.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2006/12/12 16:46 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| L10 | 13  | L9 and ((first and second) near5 key) with (password or passphrase or (((user or client) near4 generated) near7 key)).clm.              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/12 17:17 |
| L11 | 8   | (713/184.ccls.) and ((first and second) near5 key) with (password or passphrase or (((user or client) near4 generated) near7 key)).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/12 17:18 |
| S1  | 0   | "strong cipher block"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/12 16:05 |
| S2  | 0   | tiple near des  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:16 |
| S3  | 233 | (triple near des) and aes   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:16 |
| S4  | 91  | ((triple near des) and aes) and ("back up" or backup or back-up)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:36 |
| S5  | 2   | (((triple near des) and aes) and ("user name" or username)) and (compress\$3 near file)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:36 |
| S6  | 36  | ((triple near des) and aes) and ("user name" or username)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:46 |
| S7  | 12  | ((triple near des) and aes) and (compress\$2 near file)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:48 |
| S8  | 590 | (des or aes) and ("user name" or username) and address and time and date and (backup or "back up" or back-up)                           | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:52 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S9  | 229 | ((des or aes) and ("user name" or username) and address and time and date and (backup or "back up" or back-up)) and compression                                  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:53 |
| S10 | 10  | (((des or aes) and ("user name" or username) and address and time and date and (backup or "back up" or back-up)) and compression ) and hmac                      | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:50 |
| S11 | 590 | (" des " or " aes ") and ("user name" or username) and address and time and date and (backup or "back up" or back-up)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 13:52 |
| S12 | 229 | (" des " or " aes ") and ("user name" or username) and address and time and date and (backup or "back up" or back-up)) and compression                           | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 16:20 |
| S13 | 1   | (" des " or " aes ") and ("user name" or username) and address and time and date and (backup or "back up" or back-up)) and compression and ("128 bits" near key) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 16:23 |
| S14 | 77  | (" des " or " aes ") and (backup or "back up" or back-up)) and compression and ("128 bits" near key)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 16:33 |
| S15 | 122 | AES AND ((TIPLE NEAR DES) OR TRIPLE-DES)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/19 16:34 |
| S16 | 86  | (AES AND ((TIPLE NEAR DES) OR TRIPLE-DES)) AND ((128-BITS) OR "128 BITS")  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/20 14:39 |
| S17 | 3   | "6199162".pn.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/20 14:41 |

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|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S18 | 1326 | key same "128 bits"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/20 14:42 |
| S19 | 1    | (key same "128 bits") and<br>(encrypt\$3 near (compressed near<br>file))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/20 14:42 |
| S20 | 1326 | key same (128-bit or 128-bits or<br>"128 bits")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/20 14:43 |
| S21 | 3    | (key same (128-bit or 128-bits or<br>"128 bits")) and "strong block<br>cipher"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/20 16:39 |
| S22 | 248  | (add\$3 same (authentication near<br>code))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/20 16:45 |
| S23 | 23   | ((add\$3 same (authentication near<br>code))) and ((first and second) near<br>key)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/20 16:52 |
| S24 | 8    | (((add\$3 same (authentication near<br>code))) and ((first and second) near<br>key)) and (passphrase or pin)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:13 |
| S25 | 8    | (((add\$3 same (authentication near<br>code))) and ((first and second) near<br>key)) and ("pass phrase" or<br>passphrase or pin)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:16 |
| S26 | 0    | (((add\$3 same (authentication near<br>code))) and ((first and second) near<br>key)) and ("pass phrase" or<br>passphrase or pin)) and<br>User-provided         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:15 |
| S27 | 8    | ((first and second) near key) and<br>((user-provided or "user provided"<br>or user-defined or "user defined")<br>same ("pass phrase" or passphrase<br>or pin)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:20 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S28 | 9      | ashe and pin and atm   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:38 |
| S29 | 0      | ashe.in. and pin and atm   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:39 |
| S30 | 331    | ashe.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:39 |
| S31 | 26     | ashe.in. and pin   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:39 |
| S32 | 335800 | AES AND DES  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 10:50 |
| S33 | 4      | (AES AND DES) and header and<br>username and (compressed near<br>file)                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 11:22 |
| S34 | 2      | "5659614".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 11:47 |
| S35 | 222    | (bundle or packet) same<br>(compressed near10 files)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 13:05 |
| S36 | 42     | ((bundle or packet) same<br>(compressed near10 files)) and<br>(password or passphrase or "pass<br>phrase") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 11:49 |
| S37 | 3      | ((bundle or packet) same<br>(compressed near10 files)) and<br>(dynamic same key) and encryption            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 13:06 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S38 | 0   | ((bundle or packet) same (compressed near10 files)) and (user-defined same key) and encryption   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/07/21 13:08 |
| S39 | 3   | ((bundle or packet) same (compressed near10 files)) and ((generat\$3 near10 key) same (password passcode passphrase))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/07/21 13:12 |
| S40 | 209 | (back-up or "back up" or backup) and ((generat\$3 near10 key) same (password passcode passphrase))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/07/21 13:13 |
| S41 | 165 | ((back-up or "back up" or backup) and ((generat\$3 near10 key) same (password passcode passphrase)) ) and (encrypt\$3 near5 key)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/07/21 13:13 |
| S42 | 0   | ((back-up or "back up" or backup) and ((generat\$3 near10 key) same (password passcode passphrase)) ) and (encrypt\$3 near5 key)) and (transmit\$3 near10 "compressed files")                | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/07/21 13:15 |
| S43 | 0   | ((back-up or "back up" or backup) and ((generat\$3 near10 key) same (password passcode passphrase)) ) and (encrypt\$3 near5 key)) and ((packag\$3 or pecketiz\$3) near10 "compressed files") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/07/21 13:15 |
| S44 | 23  | ((back-up or "back up" or backup) and ((generat\$3 near10 key) same (password passcode passphrase)) ) and (encrypt\$3 near5 key)) and ((first and second) near key)                          | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2004/07/21 14:06 |
| S45 | 1   | "5495533".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:17 |
| S46 | 1   | "5212784".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:17 |
| S47 | 1   | "5163148".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:17 |
| S48 | 1   | "5163148".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:18 |
| S49 | 1   | "5155845".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:18 |
| S50 | 1   | "5003936".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:19 |
| S51 | 1   | "4914576".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:19 |
| S52 | 1   | "4819154".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:19 |
| S53 | 1   | "5953422".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:21 |
| S54 | 1   | "5889860".PN.  | USPAT                                       | OR | OFF | 2004/07/21 13:22 |

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|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S55 | 1      | "5870477".PN.   | USPAT   | OR | OFF | 2004/07/21 13:31 |
| S56 | 1      | "5870468".PN.   | USPAT   | OR | OFF | 2004/07/21 13:35 |
| S57 | 1      | "5748735".PN.   | USPAT   | OR | OFF | 2004/07/21 13:36 |
| S58 | 1      | "5555304".PN.   | USPAT   | OR | OFF | 2004/07/21 13:41 |
| S59 | 6262   | (remote or network) near10<br>(backup or back-up or "back up")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 14:08 |
| S60 | 6      | ((remote or network) near10<br>(backup or back-up or "back up"))<br>and ((bundle or packet) same<br>(compressed near10 files))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 14:11 |
| S61 | 390298 | transmit\$3 near10 data   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 14:11 |
| S62 | 914    | (transmit\$3 near10 data ) and<br>(backup near5 server)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 14:12 |
| S63 | 205    | ((transmit\$3 near10 data ) and<br>(backup near5 server)) and<br>(encrypt\$3 and compres\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 14:12 |
| S64 | 159    | (((transmit\$3 near10 data ) and<br>(backup near5 server)) and<br>(encrypt\$3 and compres\$4)) and<br>(password or passphrase or pin)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 14:15 |
| S65 | 10     | (((transmit\$3 near10 data ) and<br>(backup near5 server)) and<br>(encrypt\$3 and compres\$4)) and<br>(password or passphrase or pin))<br>and (generat\$3 near key) and<br>password | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 15:05 |
| S66 | 1894   | client and (backup near10 server)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2004/07/21 15:05 |

## EAST Search History

|     |   |   |   |    |    |                  |
|-----|---|---|---|----|----|------------------|
| S67 | 1 | (client and (backup near10 server)) and (authenticat\$3 near10 code) and ((password near generated) same (encryption near key)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 16:40 |
| S68 | 5 | (backup near10 server) and ((password near generated) same (encryption near key))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/07/21 16:40 |
| S69 | 2 | "5940507".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 11:04 |
| S70 | 1 | "5235641".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 10:59 |
| S71 | 1 | "5748735".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:01 |
| S72 | 1 | "5721777".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:02 |
| S73 | 1 | "5719938".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:03 |
| S74 | 2 | "5659614".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/26 11:04 |
| S75 | 1 | "5495533".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:05 |
| S76 | 1 | "5003936".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:07 |
| S77 | 1 | "5163148".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:07 |
| S78 | 1 | "5212784".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:08 |
| S79 | 1 | "5155845".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:08 |
| S80 | 1 | "4819154".PN.   | USPAT;<br>USOCR   | OR | ON | 2005/04/26 11:08 |
| S81 | 2 | "5659614".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 11:49 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S82 | 2   | "5940507".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:27 |
| S83 | 0   | hmac and "strong cipher"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:28 |
| S84 | 1   | hmac and "strong cipher"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:30 |
| S85 | 147 | hmac and compress   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:30 |
| S86 | 83  | S85 and ((attach\$5 or add\$5)<br>near10 hmac)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:31 |
| S87 | 0   | S86 and (encrypt\$5 near10<br>compress)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:33 |
| S88 | 83  | S86 and (encrypt\$5 )   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:34 |
| S89 | 16  | S86 and (encrypt\$5 ) and (back-up<br>or "back up")                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:41 |
| S90 | 83  | S86 and (encrypt\$5 ) and<br>(transfer\$5 or transmit\$5 or<br>send\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:41 |
| S91 | 83  | S90 and integrity   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:04 |

## EAST Search History

|      |    |  |   |    |    |                  |
|------|----|--|---|----|----|------------------|
| S92  | 0  | S91 not S90  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:42 |
| S93  | 67 | S91 not S89  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:44 |
| S94  | 67 | S93 and (hash\$5 near5 block)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:45 |
| S95  | 0  | S94 and ((encrypt\$5 or<br>cryptographic) near key) and<br>(remote near4 (server or database<br>or ripository))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:47 |
| S96  | 0  | S94 and ((encrypt\$5 or<br>cryptographic) near key) and<br>(remote near10 (server or database<br>or ripository)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:47 |
| S97  | 67 | S94 and ((encrypt\$5 or<br>cryptographic) near key)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:47 |
| S98  | 67 | S94 and ((encrypt\$5 or<br>cryptographic) near key) and<br>(server or database or ripository)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 12:47 |
| S99  | 0  | S90 and integrity and (mpeg near10<br>hmac)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:04 |
| S100 | 0  | S90 and integrity and (mpeg near10<br>hash)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:05 |
| S101 | 9  | S90 and integrity and (mpeg)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:08 |

## EAST Search History

|          |     |   |   |    |    |                  |
|----------|-----|---|---|----|----|------------------|
| S10<br>2 | 9   | S90 and integrity and (mpeg or jpec or gif or wavelet)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:09 |
| S10<br>3 | 0   | S102 not S101   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:09 |
| S10<br>4 | 489 | ((secure near5 (send\$5 or transmit\$5 or transger\$5)) and (MPEG or JPEG or GIF or WAVELET))         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:35 |
| S10<br>5 | 17  | S104 AND HMAC   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:11 |
| S10<br>6 | 17  | S105 NOT S102   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:11 |
| S10<br>7 | 0   | S104 AND "strong cipher block"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:14 |
| S10<br>8 | 25  | S104 and ((add\$5 or attach\$5) near10 hash)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:21 |
| S10<br>9 | 13  | S104 and (((add\$5 or attach\$5) near10 hash) same (packet or bundle or block))                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 13:22 |
| S11<br>0 | 50  | ((secure near5 (send\$5 or transmit\$5 or transger\$5)) and (MPEG or JPEG or GIF or WAVELET)) and crc | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 15:25 |
| S11<br>1 | 2   | "20040049468"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 15:36 |

## EAST Search History

|          |       |                          |   |    |    |                  |
|----------|-------|--------------------------|---|----|----|------------------|
| S11<br>2 | 2     | "5214703".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 15:48 |
| S11<br>3 | 2     | "5235641".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 15:49 |
| S11<br>4 | 2     | "5495533".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/29 15:49 |
| S11<br>5 | 2     | "5659614".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 09:22 |
| S11<br>6 | 2     | "5940507".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 09:27 |
| S11<br>7 | 2     | "5659615".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 09:28 |
| S11<br>8 | 2     | "5784597".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 09:34 |
| S11<br>9 | 2     | "5708961".pn.            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:04 |
| S12<br>0 | 13293 | (compress\$5 near5 file) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:04 |
| S12<br>1 | 506   | S120 and crc             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:04 |

## EAST Search History

|          |     |   |   |    |    |                  |
|----------|-----|---|---|----|----|------------------|
| S12<br>2 | 87  | S121 and ((append\$5 or<br>concatinat\$5) near5 file) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 13:06 |
| S12<br>3 | 2   | S122 and cbc  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:26 |
| S12<br>4 | 1   | S122 and "cipher block chaining"                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:28 |
| S12<br>5 | 27  | S120 and "cipher block chaining"                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 15:06 |
| S12<br>6 | 4   | S122 and (encrypt\$5 near5 crc)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:46 |
| S12<br>7 | 2   | "5016009".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:50 |
| S12<br>8 | 216 | encrypt\$5 near3 crc                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:51 |
| S12<br>9 | 149 | encrypt\$5 near2 crc                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 13:05 |
| S13<br>0 | 13  | S129 and ((append\$5 or<br>concatinat\$5) near5 crc)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 12:51 |
| S13<br>1 | 72  | encrypted near2 crc                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 13:05 |

## EAST Search History

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S13<br>2 | 2    | S131 and ((append\$5 or concatinate\$5) near5 file)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 13:07 |
| S13<br>3 | 8    | S131 and ((append\$5 or concatinate\$5) near5 crc)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 13:07 |
| S13<br>4 | 8    | S133 not S132   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 14:06 |
| S13<br>5 | 2    | "20040049468"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 14:06 |
| S13<br>6 | 70   | "cipher block chaining" and crc   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 15:06 |
| S13<br>7 | 70   | S136 and encrypt\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/13 15:07 |
| S13<br>8 | 2591 | (cipher near5 block\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:21 |
| S13<br>9 | 959  | S138 and ((first and second) near5 key)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:22 |
| S14<br>0 | 23   | S139 and (((first and second) near4 key) with pass\$6)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:26 |
| S14<br>1 | 23   | S139 and (((first and second) near4 key) with (pass\$6 or ((pass or physical) adj1 key))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:40 |

## EAST Search History

|          |       |   |   |    |    |                  |
|----------|-------|---|---|----|----|------------------|
| S14<br>2 | 0     | S141 not S140   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:27 |
| S14<br>3 | 34    | S139 and (((first and second) or (authentication and encryption)) near4 key) with (pass\$6 or ((pass or physical) adj1 (key or phrase or code))))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:52 |
| S14<br>4 | 11    | S143 not S141   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:41 |
| S14<br>5 | 417   | S139 and ((deriv\$5 or creat\$5 or generat\$5) with (((first and second) or (authentication and encryption)) near4 key))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:54 |
| S14<br>6 | 224   | (((deriv\$5 or creat\$5 or generat\$5) with (((first and second) or (authentication and encryption)) near4 key)) same ((pass adj1 (word or code or phrase)) or password or passcode or passphrase)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:55 |
| S14<br>7 | 2591  | S138 and S138   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:55 |
| S14<br>8 | 7     | S146 and S138   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/29 12:56 |
| S14<br>9 | 76958 | (password or passphrase or passcode or (pass adj1 (code or word or phrase)) with (seed or iv or "initial vector"))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 09:44 |
| S15<br>0 | 77260 | (password or passphrase or passcode or (pass adj1 (code or word or phrase)) with (key or cipher))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:11 |

## EAST Search History

|          |       |  |   |    |    |                  |
|----------|-------|--|---|----|----|------------------|
| S15<br>1 | 76951 | S149 and S150  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 09:45 |
| S15<br>2 | 727   | S151 and (block near4 cipher)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:13 |
| S15<br>3 | 199   | S152 and HMAC  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:13 |
| S15<br>4 | 164   | S153 and compress\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:13 |
| S15<br>5 | 164   | S154 and network   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 09:48 |
| S15<br>6 | 0     | S155 and "strong block cipher"                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 09:48 |
| S15<br>7 | 0     | S155 and bundle  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 09:49 |
| S15<br>8 | 160   | S155 and (key with "128 bit")                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:02 |
| S15<br>9 | 2     | "5214703".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 09:54 |
| S16<br>0 | 157   | S158 and ((deriv\$5 or generat\$5 or<br>creat\$5) near5 key) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:03 |

## EAST Search History

|          |       |  |   |    |    |                  |
|----------|-------|--|---|----|----|------------------|
| S16<br>1 | 157   | S158 and ((deriv\$5 or generat\$5 or creat\$5) with key)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:04 |
| S16<br>2 | 77069 | (password or passphrase or passcode or (pass adj1 (code or word or phrase)) with (generated or derived or created))            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:11 |
| S16<br>3 | 76974 | (password or passphrase or passcode or (pass adj1 (code or word or phrase)) adj1 (generated or derived or created))            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:11 |
| S16<br>4 | 11663 | ((password or passphrase or passcode or (pass adj1 (code or word or phrase)) adj1 (generated or derived or created)) with key) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:12 |
| S16<br>5 | 11660 | ((password or passphrase or passcode or (pass adj1 (code or word or phrase)) adj1 derived) with key)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:25 |
| S16<br>6 | 331   | S165 and (block near4 cipher)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:16 |
| S16<br>7 | 59    | S166 and HMAC  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:13 |
| S16<br>8 | 36    | S167 and compress\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:14 |
| S16<br>9 | 2     | S168 not S158  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:14 |
| S17<br>0 | 297   | S166 not S158  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:16 |

## EAST Search History

|          |     |   |   |    |    |                  |
|----------|-----|---|---|----|----|------------------|
| S17<br>1 | 48  | S166 and "back up"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:18 |
| S17<br>2 | 321 | S165 and ((encryption and authentication) adj1 key) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:25 |
| S17<br>3 | 7   | S172 and ((authentication adj1 code) with block)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/30 10:26 |
| S17<br>4 | 7   | "7010689"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 09:33 |
| S17<br>5 | 3   | "7010689".pn.                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 09:42 |
| S17<br>6 | 2   | "5659614".pn.                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 10:00 |
| S17<br>7 | 20  | matyas.in. and ("128 bit" near3 key)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 11:14 |
| S17<br>8 | 10  | S177 and cbc  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 10:01 |
| S17<br>9 | 758 | "DES" and ("128 bit" near3 key)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 11:14 |
| S18<br>0 | 106 | S179 AND "CBC"                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 11:15 |

## EAST Search History

|          |   |                     |   |    |    |                  |
|----------|---|---------------------|---|----|----|------------------|
| S18<br>1 | 6 | S180 AND MATYAS.IN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/03 11:16 |
|----------|---|---------------------|---|----|----|------------------|